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## AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

## 1. - 7. (Canceled)

8. (Currently Amended) A method for manufacturing an objective lens for recording or reproducing optical information, comprising: press molding a preformed molding material which is in a heat softened state with upper mold and lower mold each having opposing molding surface so that a shape of the each molding surface is transferred to the molding material, wherein the objective lens has a numerical aperture NA of at least 0.8, the objective lens comprises a convex aspherical surface with a paraxial curvature radius R on a first surface, and the molding material preformed into a shape of sphere having a radius r is employed, whereby the following condition is satisfied:

 $r/R \leq 1.35.$ 

9. (Previously Presented) The method of claim 8, wherein following condition is satisfied:  $1.0 \le r/R \le 1.3$ .

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- 10. (Previously Presented) A manufacturing method of claim 8, wherein an optical magnification of the objective lens with respect to a standard wavelength is zero.
- 11. (Previously Presented) The method of claim 8, wherein the focal distance f (mm)[[,]] of the objective lens satisfies the following relation:  $0.5 \le f \le 2.1$ .
- 12. (Previously Presented) The method of claim 9, wherein the focal distance f (mm), of the objective lens satisfies the following relation:  $0.5 \le f \le 2.1$ .
- 13. (Previously Presented) The method of claim 8, wherein the axial wavefront aberration of the objective lens at a standard wavelength  $\lambda$  is 0.04  $\lambda$  rms or less.
- 14. (Previously Presented) The method of claim 9, wherein the axial wavefront aberration of the objective lens at a standard wavelength  $\lambda$  is 0.04  $\lambda$  rms or less.

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15. (Previously Presented) The method of claim 8, wherein the objective lens comprises an optical glass having a refractive index of 1.65 or more, an Abbe number  $\nu$ d of 40 or more, and a yield temperature Ts of 650° or less.

16. (Previously Presented) A glass molded objective lens for recording or reproducing optical information comprising a convex aspherical surface on a first surface, the objective lens having a numerical aperture NA of at least 0.8, wherein, when V represents a volume of the objective lens and R represents a paraxial curvature radius of the convex aspherical surface, a numeric r satisfying the following condition,

$$(4/3) \pi r^3 = V$$
,

also satisfies the following condition,

$$1.0 \le r/R \le 1.35$$
.